

In the Specification:

Replace the paragraph between page 7, line 23 and page 8, line 15 with the following:

--Referring now to the figures of the drawing in detail and first, particularly, to Fig. 1A thereof, there is shown a longitudinal section through an electrical resistor 1 having a resistance zone 2 for example, made of manganin (metal alloy). Connections 3 and 3', for example, made of copper are connected to the resistance zone 2. Power supply leads 4 and 4', for example, likewise made of copper, are designed as busbars which run parallel to one another and between which is arranged an electrically insulating layer 5 that is a good thermal conductor. The power supply leads 4 and 4' are connected, for example soldered, to the connections 3, 3'. The dimensioning of the power supply leads 4 and 4' should be chosen such that they correspond in width and thickness at least to the dimensions of the connections 3, 3', but are advantageously as large as possible in order to ensure a good thermal coupling between the two connections 3, 3'. The power supply leads 4, 4', at the end remote from the resistor 1, can be designed as connection contacts 6, 6', for example, as plug-in or soldering contacts. Protective barriers 8 made of thermally nonconductive material are configured between the resistor 1 and adjacent structural parts 9 that produce heat or cold.